

U.S. Patent and Trademark Office
JUN 30 2003
Form PTO-1449 Modified
List of Patents and Publications
Cited by Applicant
(Use several sheets if necessary)

Docket No.
BMS-0698/PH-7103

Serial No.
09/931,317

Applicant
Alan P. Carpenter, Jr., et al.

Filing Date

Group 1616

U.S. Department of Commerce
Patent and Trademark Office

RECEIVED
JUL 07 2003
TECH CENTER 1600
1600/2900

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

①	1	Fitzpatrick, et al., "Metal Ion Catalyzed Decarboxylation: Kinetics and Mechanism of the Oxidative Decarboxylation of Copper (II) Complexes of Aminomalonic Acid in Aqueous Solution", <i>Inorganic Chemistry</i> , Vol. 13, No. 3, pp. 568-574 (1974)
②	2	Thanassi, "Aminomalonic Acid: Spontaneous Decarboxylation and Reaction with 5-Deoxypyridoxal", <i>Biochemistry</i> , Vol 9, No. 3, pp. 525-532 (1970)
③	3	Stelmashok et al., <i>Koordinatsionnaya Khimiya</i> , Vol. 3, No. 4, pp. 524-527 (1977) (Russian and English language versions)
④	4	Mayhew et al., "High-Pressure Continuous-Flow System for Drug Entrapment in Liposomes", <i>Methods in Enzymology</i> , Vol. 149, pp. 64-77 (1987)
⑤	5	Mayhew et al., "Characterization of Liposomes Prepared Using a Microemulsifier", <i>Biochimica et Biophysica Acta</i> , Vol. 775, pp. 169-174 (1984)
⑥	6	Hope et al., "Production of large unilamellar vesicles by a rapid extrusion procedure. Characterization of size distribution, trapped volume, and ability to maintain a membrane potential", <i>Biochimica et Biophysica Acta</i> , Vol. 812, pp. 55-65 (1985)
⑦	7	Mayer et al., "Vesicles of Variable Size Produced by a Rapid Extrusion Procedure", <i>Biochimica et Biophysica Acta</i> , Vol. 858, pp. 161-168 (1986)
⑧	8	Cheng et al., "The Production and Evaluation of Contrast-Carrying Liposomes Made with an Automatic High Pressure System", <i>Investigative Radiology</i> , Vol. 22, No. 1, pp. 47-55 (1987)
⑨	9	Jain, et al., "Facilitated Transport", <i>Introduction to Biological Membranes</i> , Ch. 9, pp. 192-231 (J. Wiley and Sons, N.Y. 1980)
EXAMINER	MICHAEL G. HARTLEY PRIMARY EXAMINE	DATE CONSIDERED 7/03

Form PTO-1449 Modified		Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
List of Patents and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Alan P. Carpenter, Jr., et al.	JUL 07 2003 TECH CENTER 1600/2303 RECEIVED
U.S. Department of Commerce		Filing Date	Group

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

A	10	Sigel, H., ed., <i>Metal Ions in Biological Systems: Antibiotics and Their Complexes</i> , Vol. 19 (Marcel Dekker, N.Y. 1985)
B	11	Nayar et al., "Generation of Large Unilamellar Vesicles From Long-chain Saturated Phosphatidylcholines by Extrusion Technique", <i>Biochimica et Biophysica Acta</i> , Vol. 986, pp. 200-206 (1989)
B	12	Hope et al., "Generation of Multilamellar and Unilamellar Phospholipid Vesicles", <i>Chemistry and Physics of Lipids</i> , Vol. 40, pp. 89-107 (1986)
B	13	Mattrey et al., "Perfluorochemicals as US Contrast Agents for Tumor Imaging and Hepatosplenography: Preliminary Clinical Results", <i>Radiology</i> , Vol. 163, No. 2, pp. 339-343 (1987)
B	14	Mattrey et al., "Perfluorooctylbromide: A Liver/Spleen-Specific and Tumor-Imaging Ultrasound Contrast Material", <i>Radiology</i> , Vol. 145, pp. 759-762 (1982)
B	15	Keller et al., "Successful Left Ventricular Opacification Following Peripheral Venous Injection of Sonicated Contrast Agent: An Experimental Evaluation", <i>LV Contrast Echocardiography</i> , Vol. 114, No. 3, pp. 570-575 (1987)
B	16	Feinstein et al., "Two-Dimensional Contrast Echocardiography. I. In Vitro Development and Quantitative Analysis of Echo Contrast Agents", <i>JACC</i> , Vol. 3, No. 1, pp. 14-20 (1984)
B	17	Ten Cate et al., "Two-Dimensional Contrast Echocardiography. II: Transpulmonary Studies", <i>JACC</i> , Vol. 3, No. 1, pp. 21-27 (1984)
B	18	Unger et al., "Hepatic Metastases: Liposomal Gd-DTPA-enhanced MR Imaging", <i>Radiology</i> , Vol. 171, No. 1, pp. 81-85 (1989)
EXAMINER MICHAEL G. HARTLEY PRIMARY EXAMINER		DATE CONSIDERED 8/03

Form PTO-1449 Modified		Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
List of Patents and Publications Cited by Applicant (Use several sheets if necessary)		RECEIVED JUL 07 2003 TECH CENTER 1600/2000 Applicant Alan P. Carpenter, Jr., et al.	
U.S. Department of Commerce		Filing Date	Group

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

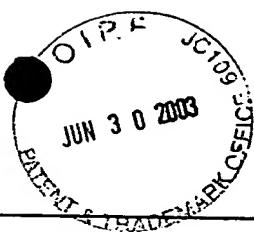
19	Deamer et al., "Permeability of Lipid Bilayers to Water and Ionic Solutes", <i>Chemistry and Physics of Lipids</i> , Vol. 40, pp.167-188 (1986)
20	Gutknecht et al., "Diffusion of carbon dioxide through lipid bilayer membranes. Effects of carbonic anhydrase, bicarbonate, and unstirred layers", <i>Chemical Abstracts</i> , Vol. 87, 34772q, p. 136 (1977)
21	Scarpa et al., "Cation Permeability of Liposomes as a Function of the Chemical Composition of the Lipid Bilayers", <i>Biochimica et Biophysica Acta</i> , Vol. 241, pp. 789-797 (1971)
22	MacNaughton et al., "Effects of Gaseous Anaesthetics and Inert Gases on the Phase Transition in Smectic Mesophases of Dipalmitoyl Phosphatidylcholine", <i>Biochimica et Biophysica Acta</i> , Vol. 597, pp. 193-198 (1980)
23	Tilcock et al., "Liposomal Gd-DTPA: Preparation and Characterization of Relaxivity", <i>Radiology</i> , Vol. 171, No. 1, pp.77-80 (1989)
24	Mann et al., "Formation of Iron Oxides in Unilamellar Vesicles", <i>Journal of Colloid and Interface Science</i> , Vol. 122, No.2, pp. 326-335 (1988)
25	Anderson et al., "Manganese (III) Complexes in Oxidative Decarboxylation of Acids", <i>J. Am. Chem. Soc.</i> , Vol. 92, No.8, pp. 2450-2460 (1970)
26	Muhlradt et al., "Vitamin B6 Analogs: An Improved Synthesis of 5-Deoxypyridoxal", <i>New Compounds</i> , Vol. 10, pp. 129-130 (1967)

EXAMINER	MICHAEL G. MARTLEY PRIMARY EXAMINER	DATE CONSIDERED	8/03
----------	--	-----------------	------



Sheet 4 of 44

Form PTO-1449 Modified List of Patents and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce		Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
		Applicant Alan P. Carpenter, Jr., et al.	<i>JUL 07 2003</i> TECH CENTER 1600 <i>1600-2930</i>
		Filing Date	Group 1616
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
<i>A</i>	27	Chapman, "Physiochemical Properties of Phospholipids and Lipid-Water Systems", <i>Liposome Technology</i> , Gregoriadis, G., ed., Chapter 1, Vol. 1, pp. 1-18 (CRC Press, Boca Raton, FL, 1984)	
<i>A</i>	28	Violante et al., "Particulate Suspensions as Ultrasonic Contrast Agents for Liver and Spleen", <i>Inv. Rad.</i> , Vol. 23, pp. S294-S297, September 1988	
<i>A</i>	29	Fritsch et al., "Preclinical and Clinical Results with an Ultrasonic Contrast Agent", <i>Inv. Rad.</i> , Vol. 23, pp. S302-S305, September 1988	
<i>A</i>	30	Brochure, <i>Experience, Sonicator™</i> , Heat Systems-Ultrasonics, Inc. (1987)	
<i>A</i>	31	M. Ostro, "Liposomes", Marcel Dekker, New York, pp. 102-103 (1983)	
<i>20</i>	32	Fukuda et al., "Polymer-Encased Vesicles Derived from Dioctadecyldimethylammonium Methacrylate", <i>J. Am. Chem. Soc.</i> , Vol. 108, pp. 2321-2327 (1986)	
<i>33</i>	33	Regen, "Polymerized Vesicles", <i>J. Am. Chem. Soc.</i> , Vol. 102, pp. 6638-6640 (1980)	
<i>34</i>	34	Rose, A. and Rose, E., "The Condensed Chemical Dictionary", Reinhold Publishing, New York, pp. 728 and 743 (1966)	
<i>35</i>	35	A.G. Belykh, <i>Farmakol Toksikol. (MOSC)</i> , Vol. 44(3), pp. 322-326 (1981) (abstract)	
<i>36</i>	36	J. Vion-Dury et al., <i>J. Pharmacol. Exper. Ther.</i> , Vol. 250(3), pp. 1113-1118 (1989) (abstract)	
EXAMINER MICHAEL G. HARTLEY PRIMARY EXAMINER		DATE CONSIDERED <i>7/03</i>	



Sheet 5 of 44

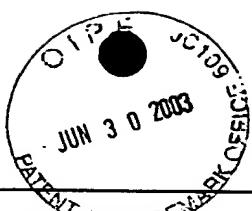
Form PTO-1449 Modified		Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
List of Patents and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Alan P. Carpenter, Jr., et al.	
U.S. Department of Commerce		Filing Date	Group 1616

RECEIVED
JUL 07 2003
TECH CENTER 1600/2900

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

37	M.R. Zalutsky et al., <i>Invest. Radiol.</i> , Vol. 22(2), pp. 141-147 (1987) (abstract)
38	Crowe et al., "Preservation of Freeze-Dried Liposomes by Trehalose", <i>Archives of Biochemistry and Biophysics</i> , Vol. 242, pp. 240-247 (1985)
39	Crowe et al., "Preservation of Structural and Functional Activity in Lyophilized Sarcoplasmic Reticulum", <i>Archives of Biochemistry and Biophysics</i> , Vol. 220, pp. 477-484 (1983)
40	Dorland's Illustrated Medical Dictionary, p. 946, 27th ed. (W.B. Saunders Company, Philadelphia 1988)
41	<i>Liposome Technology</i> , Gregoriadis, G., ed., Vol. I, pp. 1-18, 30-35, 51-65 and 79-107 (CRC Press Inc., Boca Raton, FL, 1984)
42	Madden et al., "The accumulation of drugs within large unilamellar vesicles exhibiting a proton gradient: a survey", <i>Chemistry and Physics of Lipids</i> , Vol. 53, pp. 37-46 (1990)
43	Sinkula et al., "Rationale for Design of Biologically Reversible Drug Derivatives: Prodrugs", <i>J. Pharm. Sci.</i> , Vol. 64, No. 2, pp. 181-210 (1975)
44	Shiina et al., "Hyperthermia by Low-frequency Synthesized Ultrasound", <i>IEEE Engineering</i> , pp. 879-880, Vol. 2 (1988) (abstract)
45	McAvoy et al., <i>IEEE Engineering, Ultrasonics Symposium Proceedings</i> , Vol. 2, pp. 677-1248 (1989) (abstract)
46	Chapman et al., "Biomembrane Phase Transitions", <i>J. Biol. Chem.</i> , Vol. 249, pp. 2512-2521 (1974)

EXAMINER	MICHAEL G. HARTLEY PRIMARY EXAMINER	DATE CONSIDERED 8/03
----------	--	----------------------



Sheet 6 of 44

<p>Form PTO-1449 Modified</p> <p>List of Patents and Publications Cited by Applicant (Use several sheets if necessary)</p> <p>U.S. Department of Commerce</p>			<p>Docket No. BMS-0698/PH-7103</p> <p>Applicant Alan P. Carpenter, Jr., et al.</p> <p>Filing Date</p>	<p>Serial No. 09/931,317</p> <p>Group 1616</p>
<p>RECEIVED JUL 07 2003 TECH CENTER 1600/2000</p> <p>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</p>				
47	Hug et al., "Liposomes for the Transformation of Eukaryotic Cells", <i>Biochimica et Biophysica Acta</i> , 1991, 1097:1-17			
48	Marsh, <i>CRC Handbook of Lipid Bilayers</i> (CRC Press, Boca Raton, FL 1990) pp. 139-141			
49	Szoka et al., "Procedure for preparation of liposomes with large internal aqueous space...", <i>Proc. Natl. Acad. Sci.</i> , Vol. 75, No. 9, pp. 4194-4198 (1978)			
50	Acoustic Imaging; AI5200; Convex Curved Linear Array Ultrasound Transducers Operator's Manual, November 20, 1989, 4700-0003-1C, p. 4			
51	Bangham et al., "Diffusion of Univalent Ions across the Lamellae of Swollen Phospholipids", <i>J. Mol. Biol.</i> , 1965, 13:238-252			
52	Carson et al., "Ultrasound Power and Intensities Produced By Diagnostic Ultrasound Equipment", <i>Ultrasound in Med. & Biol.</i> , Vol 3, pp. 341-350 (1978)			
53	Kost et al., <i>Polymers in Medicine II: Biomedical and Pharmaceutical Applications</i> , "Ultrasonic Modulated Drug Delivery Systems", Chiellini et al., eds., (Plenum Press, New York and London), pp. 387-396 (1985)			
54	deGier et al., "Relations Between Liposomes and Biomembranes", <i>Annals of New York Academy of Sciences</i> , Vol. 308, pp. 85-99 (1978)			
55	Felgner et al., "Lipofection: A highly efficient, lipid-mediated DNA-transfection procedure", <i>Proc. Natl. Acad. Sci.</i> , Vol. 84, pp. 7413-7417 (1987)			
<p>EXAMINER MICHAEL G. HARTLEY PRIMARY EXAMINER</p>		<p>DATE CONSIDERED 8/03</p>		

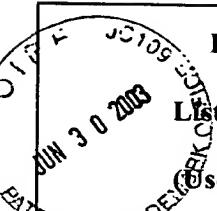
<p>Form PTO-1449 Modified</p> <p>List of Patents and Publications Cited by Applicant (Use several sheets if necessary)</p> <p>U.S. Department of Commerce</p>		Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
		Applicant Alan P. Carpenter, Jr., et al.	
		Filing Date	Group 1616

RECEIVED
JUL 07 2003
TECH CENTER 1600/2000
C 125 JUN 3 0 2003
S 109
U.S. DEPARTMENT OF COMMERCE

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

56	Gabizon et al., "Liposome formulations with prolonged circulation time in blood and enhanced uptake by tumors", <i>Proc. Natl. Acad. Sci.</i> , Vol. 85, pp. 6949-6953 (1988)
57	Garelli, et al., "Incorporation of new amphiphilic perfluoroalkylated bipyridine platinum and palladium complexes into liposomes: stability and..." <i>Biochimica et Biophysica Acta</i> , Vol. 1127, pp. 41-48 (1992)
58	Kawai et al., "New Procedure for DNA Transfection with Polycation and Dimethyl Sulfoxide", <i>Molecular and Cellular Biology</i> , Vol. 4, No. 6, pp. 1172-1174 (1984)
59	Kuo et al., "Metallocene Antitumor Agents. Solution and Solid-State Molybdenocene Coordination...", <i>J. Am. Chem. Soc.</i> , Vol. 113, No. 24, pp. 9027-9045 (1991)
60	MacDonald, <i>Mammalian Cell Biotechnology: A Practical Approach</i> , M. Butler, ed., (Oxford University Press, New York), Chapter 4, pp. 57-70 (1991)
61	Mathiowitz et al., "Photochemical Rupture of Microcapsules: A Model System", <i>Journal of Applied Polymer Science</i> , Vol. 26, pp. 809-822 (1981)
62	May et al., "Cationic Liposomes Enable Bovine Herpesvirus Type 2 DNA to Infect Cells", <i>Acta virol.</i> , 1991, 35:107
63	Poznansky et al., "Biological Approaches to the Controlled Delivery of Drugs: A Critical Review", <i>Pharmacol. Rev.</i> , Vol. 36, No. 4, pp. 277-336 (1984)
64	Sato et al., "Recent Aspects In The Use Of Liposomes In Biotechnology And Medicine", <i>Prog. Lipid Res.</i> , Vol. 31, No. 4, pp. 345-372 (1992)

EXAMINER	MICHAEL G. HARTLEY PRIMARY EXAMINER	DATE CONSIDERED	6/03
----------	--	-----------------	------



Form PTO-1449 Modified

List of Patents and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce

Docket No.
BMS-0698/PH-7103

Serial No.
09/931,317

Applicant
Alan P. Carpenter, Jr., et al.

Filing Date

Group 1616

RECEIVED
JUL 07 2003
TECH CENTER 1600
2000

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1A	65	Simons et al., "Antisense c-myb oligonucleotides inhibit intimal arterial smooth muscle cell accumulation in vivo", <i>Nature</i> , Vol. 359, pp. 67-70 (1992)
1A	66	Thompson, "At Age 2, Gene Therapy Enters a Growth Phase", <i>Science</i> , Vol. 258, pp. 744-746 (1992)
1A	67	Trubetskoy et al., "Cationic liposomes enhance targeted delivery and expression of exogenous DNA....", <i>Biochimica et Biophysica Acta</i> , Vol. 1131, pp. 311-313 (1992)
1A	68	Umemura et al., "Studies on Sonodynamic Cancer Therapy", <i>IEEE</i> , O-7803-0785, pp. 354-355 (1992)
1A	69	Williams, "Human Gene Therapy: Searching for Better Vectors", <i>ASM News</i> [American Society for Microbiology] Vol. 58, pp. 67-69 (1992)
1A	70	Woolley et al., "Versatility in lipid compositions showing prolonged circulation...", <i>Biochimica et Biophysica Acta</i> 1992, 1105:193-200
1A	71	Zhou et al., "Targeted delivery of DNA by liposomes and polymers", <i>J. of Controlled Release</i> , Vol. 19, pp. 269-274 (1992)
1A	72	Mathiowitz et al., "Polyanhydride Microspheres as Drug Carriers. II. Microencapsulation by Solvent Removal", <i>Journal of Applied Polymer Science</i> , Vol. 35, pp. 755-774 (1988)

EXAMINER

MICHAEL G. HARTLEY
PRIMARY EXAMINER

DATE CONSIDERED

8/03

 <p>Form PTO-1449 Modified List of Patents and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce</p>	Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
	Applicant Alan P. Carpenter, Jr., et al.	Filing Date Group 1616
	JUL 07 2003 TECH CENTER 1600 12900	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

73	Sankaram et al., "Cholesterol-Induced Fluid-Phase Immiscibility in Membranes", <i>Proc. Natl. Acad. Sci.</i> , Vol. 88, pp. 8686-8690 (1991)
74	Scientific Apparatus Catalog 92/93 (VWR Scientific, 1991), "Syringes", pp. 1511-1513; "Filtration, Syringe Filters", pp. 766-768; "Filtration, Membranes", pp. 750-753; "Filtration, Filter Holders", p. 744
75	Gramiak et al., "Detection of Intracardiac Blood Flow by Pulsed Echo-Ranging", <i>Radiology</i> , Vol. 100, pp. 415-418 (1971)
76	Feigenbaum et al., <i>Circulation</i> , "Identification of Ultrasound Echoes from the Left Ventricle by Use of Intracardiac Injections of Indocyanine Green", Vol. XL1, pp. 615-621 (April, 1970)
77	Santaella, et al., "Extended In Vivo Blood Circulation Time of Fluorinated Liposomes", <i>FEBS</i> 13463, Vol. 336, No. 3, pp. 481-484 (1993)
78	Brown and Langer, <i>Annual Review Medicine</i> , 1988, 39:221 29, Annual Review, Inc., "Transdermal Delivery of Drugs", pp. 221-229
79	Moseley, et al., <i>Microbubbles: A Novel MR Susceptibility Contrast Agent</i> , abstract, <u>1991</u> Napa, California Meeting of the Society for Magnetic Resonance in Medicine
80	Ter-Pogossian, "Physical Principles and Instrumentation", <i>Computed Body Tomography</i> , Lee, et al., eds., Raven Press, New York, Chapter 1, pp. 1-7 (1988)
81	Aronberg, "Techniques", <i>Computed Body Tomography</i> , Lee, et al., eds., Raven Press, New York, Chapter 2, pp. 9-36 (1988)

EXAMINER	MICHAEL G. HARTLEY PRIMARY EX.	82 DATE CONSIDERED	8/03
----------	-----------------------------------	--------------------	------

<p>Form PTO-1449 Modified</p> <p>U.S. Patent and Trademark Office JUN 3 0 2003 List of Patents and Publications Cited by Applicant (Use several sheets if necessary)</p> <p>U.S. Department of Commerce</p>		Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
		Applicant Alan P. Carpenter, Jr., et al.	
		Filing Date	Group 1616

RECEIVED
JUL 07 2003
TECH CENTER 1600/2900

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

82	Miller, <i>Ultrasonics</i> (September 1981), "Ultrasonic detection of resonant cavitation bubbles in a flow tube by their second-harmonic emissions," pp. 217-224
83	Dittrich, "Cardiac Muscle Ischemia and Infarction", <i>The Second Annual International Symposium on Contrast Agents in Diagnostic Ultrasound</i> , Atlantic City, NJ (May 7, 1996) (abstract)
84	Pantely, "Intravenous Contrast Echocardiography-Tissue Imaging & Quantification of Coronary Blood Flow", <i>The Second Annual International Symposium on Contrast Agents in Diagnostic Ultrasound</i> , Atlantic City, NJ (May 7, 1996) (abstract)
85	Schutt et al., "Osmotically Stabilized Microbubble Sonographic Contrast Agents", <i>Acad. Radiol.</i> , Vol. 3, Suppl. 2, pp. S188-S190 (August 1996)
86	Frézard, et al., "Permeability and stability in buffer and in human serum of fluorinated phospholipid-based liposomes", <i>Biochimica et Biophysica Acta</i> , 1192, pp. 61-70 (1994)
87	Frézard, et al., "Fluorinated Phospholipid-Based Vesicles as Potential Drug Carriers: Encapsulation/Sustaining of Drugs and Stability in Human Serum", <i>Art, Cells, Blood Subs., and Immob. Biotech.</i> , 22(4), pp. 1403-1408 (1994)
88	Chang, "Semipermeable Aqueous Microcapsules", <i>Canadian J. Of Phys. And Pharm.</i> , 1966, Vol. 44, pp. 115-128 (1978)
89	Chang, "Semipermeable Microcapsules", <i>Science</i> , 1964, 146, 524-525

EXAMINER	MICHAEL G. HARTLEY PRIMARY EXAMINER	DATE CONSIDERED
		8/03

Form PTO-1449 Modified

RECEIVED
JUL 07 2003
TECH CENTER 1600
JUN 30 2003
CIR 12 E 5310
PATENT & TRADEMARK OFFICE

List of Patents and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce

Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
Applicant Alan P. Carpenter, Jr., et al.	
Filing Date	Group 1616 1600/2300

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

8	90	Deasy, Microencapsulation and Related Drug Processes, Vol. 20, Chs. 9 and 10, pp. 195-239 (1983) (Marcel Dekker, Inc., NY)
8	91	Yeung et al., "Preparation of Microencapsulated Liposomes", <i>J. Microencapsulation</i> , 1988, 5, 331-337
8	92	Mattrey et al., <u>Gas Emulsions as Ultrasound Contrast Agents; Preliminary Results in Rabbits and Dogs</u> , <i>Investigative Radiology</i> , Vol. 29, June Supp. 2, pp. S139-S141, 1994
8	93	Meltzer et al., <u>Transmission of Ultrasonic Contrast Through the Lungs</u> , <i>Ultrasound in Med. & Biol.</i> , Vol. 7, No. 4, 377-384, 1981
8	94	PR Newswire, April 1, 1986
8	95	Swanson et al., "Enhancement Agents for Ultrasound: Fundamentals", <i>Pharmaceuticals In Medical Imaging</i> , Chapter 22, pp. 682-687 (1990)
8	96	Ophir et al., "Contrast Agents in Diagnostic Ultrasound", <i>Ultrasound in Med. & Biol.</i> , Vol. 15, No. 4, pp. 319-333 (1989)
8	97	Jacobs, "Intraocular gas measurement using A-scan ultrasound", <i>Current Eye Research</i> , Vol. 5, No. 8, pp. 575-578 (1986)
8	98	Lincoff et al., "Intravitreal Expansion of Perfluorocarbon Bubbles", <i>Arch. Ophthalmol.</i> , Vol. 98, p. 1646, Sept. 1980

EXAMINER	MICHAEL G. HARTLEY PRIMARY EXAMINER	DATE CONSIDERED 8/03
----------	--	----------------------

RECEIVED
JUL 07 2003
TECH CENTER 16/600/200

Form PTO-1449 Modified

List of Patents and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce

Docket No.
BMS-0698/PH-7103Serial No.
09/931,317Applicant
Alan P. Carpenter, Jr., et al.

Filing Date

Group

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1	99	Lincoff et al., "Intravitreal Longevity of Three Perfluorocarbon Gases", <i>Arch. Ophthalmol.</i> , Vol. 98, pp. 1610-1611, Sept. 1980
10	100	Lincoff et al., "The Perfluorocarbon Gases in the Treatment of Retinal Detachment", <i>Ophthalmology</i> , Vol. 90, No. 5, pp. 546-551, May 1983
2	101	Gardner et al., "A Survey of Intraocular Gas Use in North America", <i>Arch. Ophthalmol.</i> , Vol. 106, pp. 1188-1189, Sept. 1988
3	102	Unger et al., "Liposomal MR Contrast Agents", <i>J. Liposome Research</i> , 4(2), pp. 811-834 (1994)
4	103	Feinstein, Steven B., "Myocardial Perfusion Imaging: Contrast Echocardiography Today and Tomorrow," <i>Journal of the American College of Cardiology</i> , 8(1):251-253 (1986)
5	104	Keller et al., "The Behavior of Sonicated Albumin Microbubbles Within the Microcirculation: A Basis for Their Use During Myocardial Contrast Echocardiography", <i>Circulation Res.</i> , Vol. 65, No. 2, pp. 458-467 (August 1989)
6	105	Lincoff et al., "Perfluoro-n-butane: A Gas for Maximum Duration Retinal Tamponade," <i>Arch Ophthalmology</i> , 101:460-462 (1983)
7	106	Remington's <i>Pharmaceutical Sciences</i> , John Hoover, managing ed., Mack Publishing Company, Easton, PA, pp. 295-298; 736; 1242-1244 (1975)
8	107	<i>Handbook of Pharmaceutical Excipients</i> , American Pharmaceutical Association, Washington, D.C. and The Pharmaceutical Society of Great Britain, London, England, pp. 181-183 (1986)
9	108	Barnhart et al., "Characteristics of ALBUNEX™: Air-Filled Microspheres for Echocardiography Contrast Enhancement," <i>Investigative Radiology</i> , 25:S162-164 (Sept. 1990)
10	109	Levene et al., "Characterization of ALBUNEX™," <i>J. Acoust. Soc. Am.</i> , 87 (Suppl. 1):S69-70 (Spring 1990)
EXAMINER	MICHAEL G. CHARLEY PRIMARY EXAMINER	DATE CONSIDERED 8/03

U.S. Patent and Trademark Office
JUN 3 0 2003
List of Patents and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce

Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
Applicant Alan P. Carpenter, Jr., et al.	
Filing Date	Group

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

110	Miller et al., "Physiochemical Approaches to the Mode of Action of General Anesthetics," <i>J. Amer. Soc. Anesthesiologists</i> , 36(4):339-351 (1972)
111	"Properties and Applications of the 'Freon' Fluorocarbons" in DuPont Freon Technical Bulletin B-2 (E.I. DuPont de Nemours and Company, Wilmington, DE), pp. 1-11 (1964)
112	"'Freon' Fluorocarbons: Properties and Applications" in DuPont Technical Bulletin G-1 (E.I. DuPont de Nemours and Company, Wilmington, DE), pp. 1-10 (1987)
113	"Encyclopedia of Polymer Science and Engineering," John Wiley & Sons, New York, 1:164-169 (1985)
114	"Concise Encyclopedia of Polymer Science and Engineering," J. Kroschwitz, ed., John Wiley & Sons, New York, pp. 12-13 (1990)
115	Wheatley et al., "Contrast Agents for Diagnostic Ultrasound: Development and Evaluation of Polymer-Coated Microbubbles," <i>Biomaterials</i> , 11:713-717 (1990)
116	Villanueva et al., "Characterization of Spatial Patterns of Flow Within the Reperfused Myocardium by Myocardial Contrast Echocardiography", <i>Circulation</i> , Vol. 88, No. 6, pp. 2596-2606 (December 1993)
117	Desir et al., "Assessment of regional myocardial perfusion with myocardial contrast echocardiography in a canine model of varying degrees of coronary stenosis", <i>American Heart Journal</i> , Vol. 127, No. 1, pp. 56-63 (January 1994)
118	Sekins et al., "Lung Cancer Hyperthermia via Ultrasound and PFC Liquids", <i>Published in Proceedings of 5th International Symposium on Hyperthermic Oncology, Kyoto, Japan</i> , (3 pages) (August 29-September 3, 1998)
119	Pietersen, "A New Warning System for Fires of Electrical Origin", <i>CERN European Organization for Nuclear Research, Health and Safety Division</i> , pp. 1-5 (March 1977)

EXAMINER

MICHAEL G. HARTLEY
PRIMARY EXAMINER

DATE CONSIDERED

9/03



Sheet 14 of 44

<p>Form PTO-1449 Modified List of Patents and Publications Cited by Applicant (Use several sheets if necessary)</p> <p>U.S. Department of Commerce</p>			Docket No. BMS-0698/PH-7103	Serial No. 09/931,317																																																		
			Applicant Alan P. Carpenter, Jr., et al.	JUL 07 2003 TECH CENTER 1600/2900																																																		
			Filing Date	Group 1616																																																		
<p>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</p> <table border="1"> <tr> <td>120</td> <td colspan="4">Nomura et al., "US Contrast Enhancement of Hepatic Tumor with Helium Gas Microbubbles: A Preliminary Report", <i>Jpn. J. Med. Ultrasonics</i>, Vol. 18, No. 5 (1991) (Japanese with English language abstract)</td> </tr> <tr> <td>121</td> <td colspan="4">Lindner et al., "Myocardial Perfusion Characteristics and Hemodynamic Profile of MRX-115, a Venous Echocardiographic Contrast Agent, During Acute Myocardial Infarction," <i>J. Am. Soc. of Echocardiography</i>, Vol. 11, No. 1, pp. 36-46 (January 1998)</td> </tr> <tr> <td>122</td> <td colspan="4">Regen et al., "Polymerized Phosphatidylcholine Vesicles. Synthesis and Characterization," <i>J. Am. Chem. Soc.</i>, Vol. 104, No. 3, pp. 191-195 (1982)</td> </tr> <tr> <td>123</td> <td colspan="4">Wei et al., "Quantification of Myocardial Blood Flow With Ultrasound-Induced Destruction of Microbubbles Administered as a Constant Venous Infusion," <i>Circulation</i>, Vol. 97, pp. 473-483 (1998)</td> </tr> <tr> <td>124</td> <td colspan="4">Hynynen et al., "The Usefulness of a Contrast Agent and Gradient-Recalled Acquisition in a Steady-State Imaging Sequence for Magnetic Resonance Imaging-Guided Noninvasive Ultrasound Surgery," <i>Investigative Radiology</i>, Vol. 29, pp. 897-903 (Oct. 1994)</td> </tr> <tr> <td>125</td> <td colspan="4">Lejbkowicz et al., "The response of normal and malignant cells to ultrasound in vitro." Database <i>BIOSIS</i>, No. 1993:95122245 (abstract only) ; 1993</td> </tr> <tr> <td>126</td> <td colspan="4">Jackson et al., "Effect of ultrasound therapy on the repair of Achilles tendon injuries in rats." <i>Medicine And Science In Sports And Exercise</i>, Vol. 23, No. 2, pp. 171-176, 1991</td> </tr> <tr> <td>127</td> <td colspan="4">Maxwell, "Therapeutic Ultrasound: Its Effects on the Cellular and Molecular Mechanisms of Inflammation and Repair." <i>Physiotherapy</i>, Vol. 78, No. 6, pp. 421-426, June 1992</td> </tr> <tr> <td>128</td> <td colspan="4">Tuncay et al., "Expression of Genes Associated with Tissue Remodeling Upon Ultrasound Perturbation in the Gingival Fibroblast." <i>Journal of Dental Research</i>, Vol. 75, p. 143, 1996 (abstract only)</td> </tr> <tr> <td>129</td> <td colspan="4">Wang et al., "Low Intensity Ultrasound Treatment Increases Strength in a Rat Femoral Fracture Model." <i>Journal of Orthopaedic Research</i>, Vol. 12, No. 1, pp. 40-47, 1994</td> </tr> </table>					120	Nomura et al., "US Contrast Enhancement of Hepatic Tumor with Helium Gas Microbubbles: A Preliminary Report", <i>Jpn. J. Med. Ultrasonics</i> , Vol. 18, No. 5 (1991) (Japanese with English language abstract)				121	Lindner et al., "Myocardial Perfusion Characteristics and Hemodynamic Profile of MRX-115, a Venous Echocardiographic Contrast Agent, During Acute Myocardial Infarction," <i>J. Am. Soc. of Echocardiography</i> , Vol. 11, No. 1, pp. 36-46 (January 1998)				122	Regen et al., "Polymerized Phosphatidylcholine Vesicles. Synthesis and Characterization," <i>J. Am. Chem. Soc.</i> , Vol. 104, No. 3, pp. 191-195 (1982)				123	Wei et al., "Quantification of Myocardial Blood Flow With Ultrasound-Induced Destruction of Microbubbles Administered as a Constant Venous Infusion," <i>Circulation</i> , Vol. 97, pp. 473-483 (1998)				124	Hynynen et al., "The Usefulness of a Contrast Agent and Gradient-Recalled Acquisition in a Steady-State Imaging Sequence for Magnetic Resonance Imaging-Guided Noninvasive Ultrasound Surgery," <i>Investigative Radiology</i> , Vol. 29, pp. 897-903 (Oct. 1994)				125	Lejbkowicz et al., "The response of normal and malignant cells to ultrasound in vitro." Database <i>BIOSIS</i> , No. 1993:95122245 (abstract only) ; 1993				126	Jackson et al., "Effect of ultrasound therapy on the repair of Achilles tendon injuries in rats." <i>Medicine And Science In Sports And Exercise</i> , Vol. 23, No. 2, pp. 171-176, 1991				127	Maxwell, "Therapeutic Ultrasound: Its Effects on the Cellular and Molecular Mechanisms of Inflammation and Repair." <i>Physiotherapy</i> , Vol. 78, No. 6, pp. 421-426, June 1992				128	Tuncay et al., "Expression of Genes Associated with Tissue Remodeling Upon Ultrasound Perturbation in the Gingival Fibroblast." <i>Journal of Dental Research</i> , Vol. 75, p. 143, 1996 (abstract only)				129	Wang et al., "Low Intensity Ultrasound Treatment Increases Strength in a Rat Femoral Fracture Model." <i>Journal of Orthopaedic Research</i> , Vol. 12, No. 1, pp. 40-47, 1994			
120	Nomura et al., "US Contrast Enhancement of Hepatic Tumor with Helium Gas Microbubbles: A Preliminary Report", <i>Jpn. J. Med. Ultrasonics</i> , Vol. 18, No. 5 (1991) (Japanese with English language abstract)																																																					
121	Lindner et al., "Myocardial Perfusion Characteristics and Hemodynamic Profile of MRX-115, a Venous Echocardiographic Contrast Agent, During Acute Myocardial Infarction," <i>J. Am. Soc. of Echocardiography</i> , Vol. 11, No. 1, pp. 36-46 (January 1998)																																																					
122	Regen et al., "Polymerized Phosphatidylcholine Vesicles. Synthesis and Characterization," <i>J. Am. Chem. Soc.</i> , Vol. 104, No. 3, pp. 191-195 (1982)																																																					
123	Wei et al., "Quantification of Myocardial Blood Flow With Ultrasound-Induced Destruction of Microbubbles Administered as a Constant Venous Infusion," <i>Circulation</i> , Vol. 97, pp. 473-483 (1998)																																																					
124	Hynynen et al., "The Usefulness of a Contrast Agent and Gradient-Recalled Acquisition in a Steady-State Imaging Sequence for Magnetic Resonance Imaging-Guided Noninvasive Ultrasound Surgery," <i>Investigative Radiology</i> , Vol. 29, pp. 897-903 (Oct. 1994)																																																					
125	Lejbkowicz et al., "The response of normal and malignant cells to ultrasound in vitro." Database <i>BIOSIS</i> , No. 1993:95122245 (abstract only) ; 1993																																																					
126	Jackson et al., "Effect of ultrasound therapy on the repair of Achilles tendon injuries in rats." <i>Medicine And Science In Sports And Exercise</i> , Vol. 23, No. 2, pp. 171-176, 1991																																																					
127	Maxwell, "Therapeutic Ultrasound: Its Effects on the Cellular and Molecular Mechanisms of Inflammation and Repair." <i>Physiotherapy</i> , Vol. 78, No. 6, pp. 421-426, June 1992																																																					
128	Tuncay et al., "Expression of Genes Associated with Tissue Remodeling Upon Ultrasound Perturbation in the Gingival Fibroblast." <i>Journal of Dental Research</i> , Vol. 75, p. 143, 1996 (abstract only)																																																					
129	Wang et al., "Low Intensity Ultrasound Treatment Increases Strength in a Rat Femoral Fracture Model." <i>Journal of Orthopaedic Research</i> , Vol. 12, No. 1, pp. 40-47, 1994																																																					
EXAMINER	MICHAEL G. HARTLEY PRIMARY EXAMINER		DATE CONSIDERED 8/03																																																			

Form PTO-1449 Modified <i>JUN 30 2003</i> List of Patents and Publications Cited by Applicant (use several sheets if necessary) U.S. Department of Commerce		Docket No.BMS-	Serial No.09/931,317 <i>RECEIVED JUL 07 2003 TECH CENTER 1600/2000</i>
Applicant Alan P. Carpenter, Jr., et al.		Filing Date	
		Group	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

130	Yang et al., "Exposure to Low-Intensity Ultrasound Increases Aggrecan Gene Expression in a Rat Femur Fracture Model." <i>Journal of Orthopaedic Research</i> , Vol. 14, No. 5, pp. 802-809, 1996
131	Young et al., "Effect of therapeutic ultrasound on the healing of full-thickness excised skin lesions." <i>Ultrasonics</i> , Vol. 28, No. 3, pp. 175-180, 1990
132	Young et al., "The Effect of Therapeutic Ultrasound On Angiogenesis." <i>Ultrasound in Medicine and Biology</i> , Vol. 16, No. 3, pp. 261-269, 1990
133	Chortkoff et al., "Pharmacokinetics Do Not Explain the Absence of an Anesthetic Effect of Perfluoropropane or Perfluoropentane." <i>Anesth. Analg.</i> , 79, pp. 234-237, 1994
134	Sharma et al., "Emulsification Methods For Perfluorochemicals." <i>Drug Development And Industrial Pharmacy</i> , 14 (15-17), pp. 2371-2376 (1988)
135	Tilcock et al., "PEG-coated Lipid Vesicles with Encapsulated Technetium-99m as Blood Pool Agents for Nuclear Medicine." <i>2211b Nuclear Medicine and Biology</i> , 21, No. 2, pp. 165-170, 1994
136	Tilcock et al., " ^{99m} Tc-labeling of Lipid Vesicles Containing the Lipophilic Chelator PE-DTTA: Effect of Tin-to-chelate Ratio, Chelate Content and Surface Polymer on Labeling Efficiency and Biodistribution Behavior." <i>2211b Nuclear Medicine and Biology</i> , 21, No. 1, pp. 89-96, 1994
137	Zarif et al., "Synergistic Stabilization of Perfluorocarbon-Pluronic F-68 Emulsion by Perfluoroalkylated Polyhydroxylated Surfactants." <i>JAOCs</i> , Vol. 66, No. 10, pp. 1515-1523, 1989
138	Ding et al., <i>Chung Kuo Yao Li Hsueh Pao</i> , 1989 Sep.; 10(5):473-5 (Abstract only)
139	Ring et al., <i>Clinical Weekly</i> , 52, pp.595-598 (1974) (English abstract)
140	P.N.T. Wells, "Pulse-Echo Methods", <i>Biomedical Ultrasonics</i> , Academic Press, pp. 209-220 (1977)
EXAMINER	MICHAEL G. HARTLEY PRIMARY EXAMINER
	DATE CONSIDERED 8/03

<p>Form PTO-1449 Modified List of Patents and Publications Cited by Applicant (Use several sheets if necessary)</p> <p>U.S. Department of Commerce Patent and Trademark Office</p>		Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
<p>Applicant Alan P. Carpenter, Jr., et al.</p>		<p>JUL 07 2003 RECEIVED TECH CENTER 1600/2910</p>	
<p>Filing Date</p>		<p>Group</p>	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

141	Robinson, et al., F.J. Fry, ed., <i>Ultrasound: Its Applications In Medicine And Biology</i> , Elsevier Scientific Publishing Company, Vol. 3, Chap. XI, pp. 593-596 (1978)
142	Silbernagl, Despopoulos, <i>Pocket Atlas of Physiology</i> , Georg Thieme Verlag, Stuttgart New York, pp. 156-157 (1983) (German language only)
143	H. Meessen, ed., <i>Microcirculation</i> , Springer-Verlag, Berlin Heidelberg, New York, p. 44 (1997) (German language only)
144	Kinsler, et al., <i>Fundamentals of Acoustics</i> , third ed., pp. 228-331 (1982)
145	Hautanen, et al., "Effects of Modifications of the RGD Sequence and Its Context on Recognition by the Fibronectin Receptor*", <i>The Journal of Biological Chemistry</i> , Vol. 264, No. 3, pp. 1437-1442, January 25, 1999
146	Takeuchi et al., "Enhanced Visualization of Intravascular Thrombus with the Use of a Thrombus Targeting Ultrasound Contrast Agent (MRX408): Evidence From in Vivo Experimental Echocardiographic Studies", <i>The Journal of the American College of Cardiology</i> , Vol. 31, No. 2, Suppl. A, p. 57A, Abstract XP-000952675, February 1998 and 47 th Annual Scientific Session of American College of Cardiology, Atlanta, GA, 3/29/98-4/1/98
147	Unger, et al., "In Vitro Studies of a New Thrombus-Specific Ultrasound Contrast Agent", <i>American Journal of Cardiology</i> , Vol. 81, No. 12, Suppl. A, pp. 58G-61G, XP-002087505, June 12, 1998 and Symposium: <i>Ninth International Congress on Echocardiography: Clinical Cardiology</i> , 1997
148	Wu, et al., "Binding and Lysing of Blood clots Using MRX-408", <i>Investigative Radiology</i> , Vol. 33, No. 12, pp. 880-885, XP-000952676, December 1998
149	Porter, et al., "Thrombolytic enhancement with perfluorocarbon-exposed sonicated dextrose albumin microbubbles", Vol. 132, No. 5, <i>American Heart Journal</i> , pp. 964-968, November 1996

EXAMINER	MICHAEL G. HARTLEY PRIMARY EXAMINER	DATE CONSIDERED
----------	--	-----------------

<p style="text-align: center;"> Form PTO-1449 Modified List of Patents and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office </p>	Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
	Applicant Alan P. Carpenter, Jr., et al.	
	Filing Date	Group

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

2	150	Porter, et al., "Multifold Sonicated Dilutions of Albumin with Fifty Percent Dextrose Improve Left Ventricular Contrast Videointensity After Intravenous Injection in Human Beings", <i>Journal of the American Society of Echocardiography</i> , Vol. 7, No. 5, pp. 465-471, September-October 1994
2	151	Porter, et al., "Noninvasive Identification of Acute Myocardial Ischemia and Reperfusion With Contrast Ultrasound Using Intravenous Perfluoropropene-Exposed Sonicated Dextrose Albumin", <i>Journal of the American College of Cardiology</i> , Vol. 26, No. 1, pp. 33-40; 1995
2	152	Porter, et al., "Visually Discernible Myocardial Echocardiographic Contrast After Intravenous Injection of Sonicated Dextrose Albumin Microbubbles Containing High Molecular Weight, Less Soluble Gases", <i>Journal of the American College of Cardiology</i> , Vol. 25, No. 2, pp. 509-515, February 1995
2	153	Srinivasan, et al., "Characterization of Binding Sites, Extent of Binding, and Drug Interactions of Oligonucleotides with Albumin", <i>Antisense Research and Development</i> , Vol. 5, pp. 131-139, 1995
2	154	Xie, et al., "Acute Myocardial Ischemia and Reperfusion can be Visually Identified Non-invasively with Intravenous Perfluoropropene-Enhanced Sonicated Dextrose Albumin Ultrasound Contrast", <i>Circulation</i> , Vol. 90, No. 4, Part 2, Abstract 2989, October 1994
2	155	Blomley et al., "Microbubble contrast agents: a new era in ultrasound"; Clinical Review XP008001399, <i>BMJ</i> , Vol. 322, pp. 1222-1225 (19 May 2001)

EXAMINER

MICHAEL G. HARTLEY
PRIMARY EXAMINER

DATE CONSIDERED

8/03

Form PTO-1449 Modified			Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)			Applicant Alan P. Carpenter, Jr., et al.	JUL 07 2003 TECH CENTER 1600/2900 RECEIVED U.S. PATENT AND TRADEMARK OFFICE
U.S. Department of Commerce Patent and Trademark Office			Filing Date August 16, 2001	Group 1616

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
0	156	4,276,885	07/07/81	Tickner et al.	128	660
A	157	4,344,929	08/17/82	Bonsen et al.	424	15
h	158	4,466,442	08/21/84	Hilmann et al.	128	653
g	159	4,603,044	07/29/86	Geho et al.	424	9
b	160	4,675,310	06/23/87	Chapman et al.	514	6
d	161	4,718,433	01/12/88	Feinstein	128	660
Q	162	4,728,575	03/01/88	Gamble et al.	428	402.2
f	163	4,728,578	03/01/88	Higgins et al.	428	462

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO
h	164	WO 85/01161	03/14/85	PCT	x	
g	165	2193095A	02/03/88	Great Britain	x	
g	166	0 361 894	04/04/90	EPA	x	
g	167	WO 86/01103	02/27/86	PCT	x	
g	168	0 272 091	06/22/88	EPO	x	

EXAMINER

MICHAEL G. HARTLEY
PRIMARY EXAMINER

DATE CONSIDERED

7/03

Form PTO-1449 Modified
 List of Patents and Publications
 Cited by Applicant
 (Use several sheets if necessary)
 JUN 30 2003
 TRADEMAKES & RELATED APPLS.
 U.S. Department of Commerce

Docket No. BMS-0698/PH-7103
 Serial No. 09/931,317
 Applicant Alan P. Carpenter, Jr., et al.
 Filing Date
 Group 1616

RECEIVED
 JUN 07 2003
 TECH CENTER 1600/2000
 Sheet 19 of 44

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
①	169	4,737,323	04/12/88	Martin et al.	274	4.3
④	170	4,774,958	10/04/88	Feinstein	128	660.01
①	171	4,863,717	09/05/89	Keana	424	9
④	172	4,844,882	07/04/89	Widder et al.	424	9
④	173	4,192,859	03/11/80	Mackaness et al.	424	5
④	174	4,921,706	05/01/90	Roberts et al.	424	450
④	175	4,790,891	12/13/88	Halliday et al.	149	2
④	176	4,162,282	07/24/79	Fulwyler et al.	274	9
④	177	4,938,947	07/03/90	Nicolau et al.	424	1.1
④	178	4,900,540	02/13/90	Ryan et al.	424	9

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO
①	179	WO 91/00086	01/10/91	PCT (France)	X (abstract)	
①	180	WO 91/15244	10/17/91	PCT	X	
①	181	0 338 971	10/25/89	EPO (Germany)	X (abstract)	
④	182	0 107 559	05/02/84	EPO (France)	X (abstract)	
④	183	WO 82/01642	05/27/82	PCT	X	

EXAMINER MICHAEL G. HARTLEY
 PRIMARY EXAMINER

DATE CONSIDERED 7/03

Form PTO-1449 Modified List of Patents and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce		Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
		Applicant Alan P. Carpenter, Jr., et al.	Group
		Filing Date	

RECEIVED
JUL 9 7 2000
TECH CENTER 1600/2000

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
0	184	4,544,545	10/01/85	Ryan et al.	424	1.1
0	185	4,331,654	05/25/82	Morris	424	38
0	186	3,532,500	10/06/70	Priest et al.	96	91
0	187	4,310,506	01/12/82	Baldeschwieler et al.	424	1
6	188	4,310,505	01/12/82	Baldeschwieler et al.	424	1
0	189	4,586,512	05/06/86	Do-huu et al.	128	660
0	190	4,620,546	11/04/86	Aida et al.	128	660
0	191	4,658,828	04/21/87	Dory	128	660
0	192	4,865,836	09/12/89	Long, Jr.	424	5
0	193	4,646,756	03/03/87	Watmough et al.	128	804

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO
0	194	WO 89/05040	06/01/89	PCT	x	
0	195	WO 86/00238	01/16/86	PCT	x	
0	196	WO 90/04943	05/17/90	PCT	x	
0	197	WO 80/02365	11/13/80	PCT	x	
0	198	WO 93/05819	01/04/93	PCT	x	

EXAMINER	MICHAEL G. HARTLEY PRIMARY EXAMINER	DATE CONSIDERED	8/03
----------	--	-----------------	------

Form PTO-1449 Modified

JUN 30 2003
PATENT & TRADEMARK OFFICE
List of Patents and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce

Docket No.
BMS-0698/PH-7103Serial No.
09/931,317Applicant
Alan P. Carpenter, Jr., et al.Filing Date
August 16, 2001

Group

JUL 07 2003
TECH CENTER 1600
1616 1602 1603 1604 1605 1606

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
b	199	4,893,624	01/16/90	Lele	128	399
u	200	4,689,986	09/01/87	Carson et al.	73	19
h	201	4,781,871	11/01/88	West III et al.	274	4.3
e	202	4,957,656	09/18/90	Cerny et al.	252	311
p	203	4,830,858	05/16/89	Payne et al.	424	450
h	204	4,684,479	08/04/87	D'Arrigo	252	307
o	205	5,215,680	06/01/93	D'Arrigo	252	307
p	206	5,171,755	12/15/92	Kaufman	514	759
s	207	4,898,734	02/06/90	Mathiowitz et al	424	427

FOREIGN PATENT DOCUMENTS

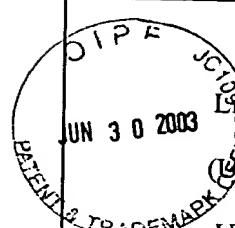
Examiner Initial		Document No.	Date	Country	Translation YES	NO
b	208	WO 93/06869	04/15/93	PCT	x	
o	209	WO 93/20802	10/28/93	PCT	x	
o	210	SHO 63-60943	03/17/88	Japan	x	
o	211	0 554 213 A1	08/04/93	EPO	x	
o	212	0 314 764 B1	09/09/92	EPO	x	

EXAMINER

MICHAEL G. HARTLEY
PRIMARY EXAMINER

DATE CONSIDERE

8/10/03



Form PTO-1449 Modified

List of Patents and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce

Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
Applicant Alan P. Carpenter, Jr., et al.	JUL 07 2003 TECH CENTER 1600/2900
Filing Date August 16, 2001	Group 1616

Sheet 22 of 44

RECEIVED

U. S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Subclass
Y	213 4,776,991	10/11/88	Farmer et al.	274	4.3
O	214 5,194,266	03/16/93	Abra et al.	424	450
N	215 5,198,225	03/30/93	Meybeck et al.	424	450
PL	216 4,927,623	05/22/90	Long, Jr.	424	5
O	217 5,049,388	09/17/91	Knight et al.	424	450
✓	218 4,315,514	02/16/82	Drewes et al.	128	653
PN	219 4,569,836	02/11/86	Gordon	424	1.1

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Translation YES	NO
Y	220 0 458 745 A1	11/27/91	EPO	x	
FR	221 0 216 730	01/23/91	EPO	x	
✓	222 WO 93/13809	07/22/93	PCT	x	
GW	223 WO 92/10166	06/25/92	PCT	x	
N	224 0 324 938	01/26/89	EPO	x	

EXAMINER	MICHAEL G. HARTLEY PRIMARY EXAMINER	DATE CONSIDERED	8/03
----------	--	-----------------	------

Form PTO-1449 Modified List of Patents and Publications Cited by Applicant (Use several sheets if necessary)		Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
		Applicant Alan P. Carpenter, Jr., et al.	JUL 07 2003 TECH CENTER 1600/233 RECEIVED U.S. Department of Commerce
		Filing Date August 16, 2001	

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
Q	225	4,426,330	01/17/84	Sears	270	403
Q	226	4,534,899	08/13/85	Sears	270	403
Q	227	4,229,360	10/21/80	Schneider et al.	270	403
Q	228	B1 4,229,360	11/05/91	Schneider et al.	270	403
Q	229	4,089,801	05/16/78	Schneider	252	316
Q	230	4,224,179	09/23/80	Schneider	252	316
Q	231	4,987,154	01/22/91	Long, Jr.	514	772
Q	232	5,219,538	06/15/93	Henderson et al.	428	402.2
Q	233	5,316,771	05/31/94	Barenholz et al.	424	450

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO
Q	234	0 231 091	08/05/87	EPO	x	
Q	235	WO 92/17212	10/15/92	PCT	x	
Q	236	WO 92/17213	10/15/92	PCT	x	
Q	237	WO 92/17436	10/15/92	PCT	x	
Q	238	WO 92/21382	12/10/92	PCT	x	

EXAMINER	MICHAEL G. HARTLEY PRIMARY EXAMINER	DATE CONSIDERED	8/03
----------	--	-----------------	------

<p>Form PTO-1449 Modified List of Patents and Publications Cited by Applicant (Use several sheets if necessary)</p> <p>O I P JUN 30 2003 U.S. Department of Commerce</p>		Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
		Applicant Alan P. Carpenter, Jr., et al.	JUL 07 2003 TECH CENTER 1600/2900
		Filing Date August 16, 2001	Group MASTER LIST

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
60	239	5,195,520	03/23/93	Schlief et al.	128	660.02
60	240	3,873,564	03/25/75	Schneider et al.	270	309.6
60	241	5,045,304	09/03/91	Schneider et al.	424	9
60	242	4,877,561	10/31/89	Iga et al.	274	4.3
60	243	5,213,804	05/25/93	Martin et al.	424	450
60	244	4,895,719	01/23/90	Radhakrishnan	424	45
60	245	5,008,050	04/16/91	Cullis et al.	274	4.3
60	246	5,114,703	05/19/92	Wolf et al.	424	5
60	247	5,013,556	05/07/91	Woodle et al.	424	450
60	248	5,000,960	03/19/91	Wallach	424	450

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO
60	249	WO 93/17718	09/16/93	PCT	x	
60	250	WO 94/16739	08/04/94	PCT	x	
60	251	EP 0 077 752 B1	03/05/86	EP	Partial - claims only	
60	252	WO 90/04384	05/03/90	PCT	x	

EXAMINER MICHAEL G. HARTLEY DATE CONSIDERED 8/03
PRIMARY EXAMINER

Form PTO-1449 Modified List of Patents and Publications Cited by Applicant (Use several sheets if necessary)		Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
		Applicant Alan P. Carpenter, Jr., et al.	Group
		Filing Date August 16, 2001	
U.S. Department of Commerce		RECEIVED JUL 07 2003 TECH CENTER 1600/2900	

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
Q	253	5,310,540	05/10/94	Giddey et al.	424	9
Q	254	5,425,366	06/20/95	Reinhardt et al.	128	662.02
R	255	4,775,522	10/04/88	Clark, Jr.	424	9
R	256	4,731,239	03/15/88	Gordon	424	9
O	257	5,350,571	09/27/94	Kaufman et al.	424	9
Z	258	4,615,879	10/07/86	Runge et al.	424	9
Q	259	5,393,524	02/28/95	Quay	424	9
Q	260	5,196,183	03/23/93	Yudelson et al.	424	9
Q	261	4,996,041	02/27/91	Arai et al.	424	9

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO
Q	262	WO 94/09829	05/11/94	PCT	x	
R	263	WO 94/21302	09/29/94	PCT	x	
R	264	WO 91/12823	09/05/91	PCT	x	
R	265	0 357 164 B1	10/23/91	EPO	Partial - claims only	
R	266	0 320 433 A2	06/14/89	EPO	Abstract only	

EXAMINER	MICHAEL G. HARTLEY PRIMARY EXAMINER	DATE CONSIDERED	8/03
----------	--	-----------------	------

Form PTO-1449 Modified List of Patents and Publications Cited by Applicant (Use several sheets if necessary)		Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
		Applicant Alan P. Carpenter, Jr., et al.	Group MASTER LIST
		Filing Date August 16, 2001	

RECEIVED

JUL 07 2003
TECH CENTER 1600/2300

OIPC
JUN 30 2003
TM/MPK/CFC/601

U.S. Department of Commerce

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
⑩	267	5,186,922	02/16/93	Shell et al.	128	654
⑩	268	4,428,924	01/31/84	Millington	424	4
⑩	269	5,409,688	04/25/95	Quay	424	9
⑩	270	5,410,516	04/25/95	Uhlendorf et al.	367	7
⑩	271	5,305,757	04/26/94	Unger et al.	128	662.02
⑩	272	5,334,381	08/02/94	Unger	424	9
⑩	273	5,123,414	06/23/92	Unger	128	654
⑩	274	5,433,204	07/18/95	Olson	128	661.08

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO
⑩	275	0 467 031 A2	01/22/92	EPO	x	
⑩	276	0 243 947	11/04/87	EPO		
⑩	277	WO 96/04018	02/15/96	PCT	x	
⑩	278	WO 96/09793	04/04/96	PCT	x	
⑩	279	WO 95/06518	03/09/95	PCT	x	

EXAMINER	MICHAEL G. HARTLEY PRIMARY EXAMINER	DATE CONSIDERED	7/10/03
----------	--	-----------------	---------

Form PTO-1449 Modified

List of Patents and Publications
Cited by Applicant
(Use several sheets if necessary)

O I P E
JUN 30 2003
U.S. Department of Commerce

Docket No.
BMS-0698/PH-7103

Serial No.
09/931,317

Applicant
Alan P. Carpenter, Jr., et al.

Filing Date

Group

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
Y	280	5,445,813	08/29/95	Schneider et al.	424	9.51
Y	281	4,981,692	01/01/91	Popescu et al.	424	422
Y	282	5,149,319	09/22/92	Unger	604	22
Y	283	5,209,720	05/11/93	Unger	604	22
Y	284	5,230,882	07/27/93	Unger	424	9
Y	285	5,352,435	10/04/94	Unger	424	9
Y	286	5,190,982	03/02/93	Erbel et al.	521	56
R	287	5,137,928	08/11/92	Erbel et al.	521	56

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO
Y	288	EP 441,468 A2	08/14/91	EPO	x	
Y	289	EP 357,163 A1	03/07/90	EPO	x	
Y	290	WO 94/06477	03/31/94	PCT	x	
Y	291	WO 95/23615	09/08/95	PCT	x	

EXAMINER

MICHAEL G. HARTLEY
PRIMARY EXAMINER

TE CONSIDERED

8/03

Form PTO-1449 Modified

List of Patents and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce

Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
Applicant Alan P. Carpenter, Jr., et al.	TECH CENTER 1600
Filing Date	Group 1616

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
Q	292	5,205,287	04/27/93	Erbel et al.	128	632
Q	293	5,470,582	11/28/95	Supersaxo et al.	424	489
Q	294	5,529,766	06/25/96	Klaveness et al.	424	9.52
Q	295	5,487,390	01/30/96	Cohen et al.	128	662.02
Q	296	5,536,489	07/16/96	Lohrmann et al.	424	9.52
Q	297	5,536,490	07/16/96	Klaveness et al.	424	9.52
Q	298	5,315,997	05/31/94	Widder et al.	128	653.3
Q	299	5,469,854	11/28/95	Unger et al.	128	662.02
Q	300	5,505,932	04/09/96	Grinstaff et al.	424	9.3

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO
Q	301	62 286534	12/12/87	Japan	X (Abstract Only)	
Q	302	1,044,680	10/05/66	Great Britain	X	
Q	303	WO 96/36286	11/21/96	PCT	X	
Q	304	WO 92/11873	07/23/92	PCT	X (Abstract Only)	
Q	305	WO 90/01952	03/08/90	PCT	X (Abstract Only)	

EXAMINER

MICHAEL G. HARTLEY
PRIMARY EXAMINER

DATE CONSIDERED

6/03

<p style="text-align: center;">Form PTO-1449 Modified</p> <p>List of Patent and Publications Cited by Applicant (Use several sheets if necessary)</p> <p>U. S. Department of Commerce Patent and Trademark Office</p>				Docket No. BMS-0698/PH-7103	Serial No. 09/931,317	
				Applicant Alan P. Carpenter, Jr., et al.		
				Filing Date August 16, 2001	Group 1616	
U. S. PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>l</i>	306	5,540,909	07/30/96	Schutt	424	9.52
<i>D</i>	307	5,496,535	03/05/96	Kirkland	424	9.37
<i>D</i>	308	5,344,930	09/06/94	Riess et al.	544	84
<i>l</i>	309	5,560,364	10/01/96	Porter	128	662.02
<i>D</i>	310	5,562,893	10/08/96	Lohrmann	424	9.52
<i>D</i>	311	5,567,413	10/22/96	Klaveness et al.	424	9.51
<i>D</i>	312	5,567,414	10/22/96	Schneider et al.	424	9.52
<i>D</i>	313	5,567,765	10/22/96	Moore et al.	524	801
<i>D</i>	314	5,552,133	09/03/96	Lambert et al.	424	9.52
FOREIGN PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
<i>D</i>	315	AU-B-30351/89	03/18/93	Australia	<input checked="" type="checkbox"/>	
<i>D</i>	316	WO 93/00933	01/21/93	PCT	<input checked="" type="checkbox"/>	
<i>D</i>	317	WO 94/28780	12/22/94	PCT	<input checked="" type="checkbox"/>	
<i>D</i>	318	AU 641363	03/08/90	Australia	<input checked="" type="checkbox"/>	
<i>D</i>	319	WO 92/17514	10/15/92	PCT	<input checked="" type="checkbox"/>	
EXAMINER MICHAEL G. HARTLEY PRIMARY EXAMINER				DATE CONSIDERED 8/03		

Form PTO-1449 Modified		Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Alan P. Carpenter, Jr., et al.	
U.S. Department of Commerce Patent and Trademark Office		Filing Date August 16, 2001	Group 1616

RECEIVED
JUL 07 2003
TECH CENTER 1600
USPTO

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
Q	320	3,015,128	01/02/62	Sommerville et al.	18	2.6
Q	321	3,594,326	07/20/71	Himmel et al.	252	316
Q	322	3,732,172	05/08/73	Herbig et al.	252	316
P	323	3,945,956	03/23/76	Garner	270	2.5B
L	324	4,108,806	08/22/78	Cohrs et al.	521	54
X	325	4,179,546	12/18/79	Garner et al.	521	56
D	326	4,420,442	12/13/83	Sands	274	13
D	327	4,421,562	12/20/83	Sands et al.	106	75
D	328	4,540,629	09/10/85	Sands et al.	428	402
R	329	4,549,892	10/29/85	Baker et al.	65	21.4

REIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
Q	330	WO 94/07539	04/14/94	PCT	X (abstract only)	
Q	331	EP 0 586 875	03/16/94	EPO	X (abstract only)	
R	332	25 21 003	08/12/76	Germany	X (both German and English language)	
Q	333	2 700 952	08/05/94	France	X (both French and English language)	
S	334	0 614 656 A1	09/14/94	EPO	X (both French and English language)	

EXAMINER

MICHAEL G. HARTLEY

DATE CONSIDERED

PRIMARY EXAMINE

8/83

Form PTO-1449 Modified		Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
List of Patent and Publications Cited by Applicant <small>(Use several sheets if necessary)</small>		Applicant Alan P. Carpenter, Jr., et al.	
<small>JUN 30 2003</small> U.S. Department of Commerce Patent and Trademark Office		Filing Date August 16, 2001	Group 1616

RECEIVED
 JUL 07 2003
 TECH CENTER 1600
 USPTO

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>K</i>	335	5,019,370	05/28/91	Jay et al.	424	4
<i>B</i>	336	5,205,290	04/27/93	Unger	128	653.4
<i>b</i>	337	4,822,534	04/18/89	Lencki et al.	274	4.3
<i>D</i>	338	3,293,114	12/20/66	Kenaga et al.	162	168
<i>D</i>	339	3,479,811	11/25/69	Walters	57	153
<i>A</i>	340	3,488,714	01/06/70	Walters et al.	161	161
<i>L</i>	341	3,615,972	10/26/71	Morehouse et al.	156	79
<i>N</i>	342	5,078,994	01/07/92	Nair et al.	424	501
<i>D</i>	343	4,138,383	02/06/79	Rembaum et al.	270	29.7H
<i>D</i>	344	4,789,501	12/06/88	Day et al.	252	645
<i>A</i>	345	3,960,583	06/01/76	Netting et al.	106	122

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	YES	Translation NO
<i>M</i>	346	WO 92/22298	12/23/92	PCT	x	
<i>M</i>	347	WO 94/00110	01/06/94	PCT	x abstract only	
<i>M</i>	348	WO 98/00172	01/08/98	PCT	x	
<i>P</i>	349	WO 84/02909	08/02/84	PCT	x	

EXAMINER **MICHAEL G. HARTLEY** DATE CONSIDERED **8/07**
 PRIMARY EXAMINER

Form PTO-1449 Modified

Docket No.
BMS-0698/PH-7103Serial No.
09/931,317

**List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)**

Applicant
Alan P. Carpenter, Jr., et al.U.S. Department of Commerce
Patent and Trademark OfficeFiling Date
August 16, 2001Group
1616

RECEIVED
JUL 07 2003
TECH CENTER 1600/2900
U.S. PATENT AND TRADEMARK OFFICE

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
1	350	5,362,478	11/08/94	Desai et al.	424	9
1	351	5,281,408	01/25/94	Unger	424	4
1	352	5,456,900	10/10/95	Unger	424	9.4
1	353	5,358,702	10/25/94	Unger	424	9
1	354	4,985,550	01/15/91	Charpiot et al.	536	18.4
1	355	5,498,421	03/12/96	Grinstaff et al.	424	450
1	356	4,993,415	02/19/91	Long	128	653 A
1	357	5,606,973	03/04/97	Lambert et al.	128	662.02

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	Translation NO
1	358	WO 92/15284	09/17/92	PCT	x	
1	359	EP 0 052 575	05/26/82	EPO	x	
1	360	WO 92/22249	12/23/92	PCT	x	
1	361	WO 95/24184	09/14/95	PCT	x	
1	362	WO 96/40281	12/19/96	PCT	x	

EXAMINER
MICHAEL G. HARTLEY
PRIMARY EXAMINER

DATE CONSIDERED

8/03

Form PTO-1449 Modified			Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)			Applicant Alan P. Carpenter, Jr., et al.	
U.S. Department of Commerce Patent and Trademark Office			Filing Date August 16, 2001	Group 1616

RECEIVED
JUL 07 2003
TECH CENTER 1600**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
Y	363	5,558,853	09/24/96	Quay	424	9.5
	364	5,558,854	09/24/96	Quay	424	9.52
Q	365	5,558,855	09/24/96	Quay	424	9.5
Q	366	5,595,723	01/21/97	Quay	424	9.5
Q	367	5,556,610	09/17/96	Yan et al.	424	9.52
K	368	5,578,292	11/26/96	Schneider et al.	424	9.51
Q	369	4,933,121	06/12/90	Law et al.	264	4.3
Q	370	5,315,998	05/31/94	Tachibana et al.	128	660.01

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	Translation NO
Q	371	WO 91/03267	03/21/91	PCT		
11	372	WO 94/21301	09/29/94	PCT		
Q	373	WO 95/03835	02/09/95	PCT		
Q	374	WO 95/32005	11/30/95	PCT		
Q	375	WO 85/02772	07/04/85	PCT		

EXAMINER **MICHAEL G. HARTLEY**
PRIMARY EXAMINER **8/03**

Form PTO-1449 Modified			Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)			Applicant Alan P. Carpenter, Jr., et al.	
U.S. Department of Commerce Patent and Trademark Office			Filing Date August 16, 2001	Group 1616

RECEIVED
JUL 07 2003
U.S. PATENT AND TRADEMARK OFFICE
TECH CENTER 1600

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
W	376	5,643,553	07/01/97	Schneider et al.	424	9.52
W	377	5,502,094	03/26/96	Moore et al.	524	145
W	378	5,354,549	10/11/94	Klaveness et al.	424	3
W	379	5,501,863	03/26/96	Rössling et al.	424	489
W	380	5,542,935	08/06/96	Unger et al.	604	190
W	381	5,558,092	09/24/96	Unger et al.	128	660.03
W	382	5,605,673	02/25/97	Schutt et al.	424	9.51
W	383	5,626,833	05/06/97	Schutt et al.	424	9.52
W	384	5,639,443	06/17/97	Schutt et al.	424	9.52
W	385	3,650,831	03/21/72	Jungermann et al.		

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
W	386	WO 91/09629	07/11/91	PCT		
W	387	WO 92/22247	12/23/92	PCT		
W	388	38 03 972 A1	08/10/89	Germany	X (both German and English language)	
W	389	0 224 934 A2	06/10/87	EPO		
W	390	0 359 246 A2	03/21/90	EPO		
EXAMINER			MICHAEL G. HARTLEY PRIMARY EXAMINER		DATE CONSIDERED 8/03	

Form PTO-1449 Modified			Docket No. BMS-0698/PH-7103	Serial No. 09/931,317	RECEIVED JUL 07 2003 U.S. PATENT AND TRADEMARK OFFICE CENTER (600) 220	
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)			Applicant Alan P. Carpenter, Jr., et al.			
U.S. Department of Commerce Patent and Trademark Office			Filing Date August 16, 2001	Group 1616		
U. S. PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Name	Class	Subclass
ll	391	3,968,203	07/06/76	Spitzer et al.	424	47
ly	392	4,027,007	05/31/77	Messina	424	46
o	393	4,342,826	08/03/82	Cole	435	7
u	394	5,004,611	04/02/91	Leigh	424	450
ll	395	5,192,549	03/09/93	Barenolz et al.	424	450
ll	396	5,135,000	08/04/92	Akselrod et al.	128	662.02
ly	397	5,672,585	09/30/97	Pierschbacher et al.	514	11
ll	398	5,247,935	09/28/93	Cline et al.	128	653.2
ll	399	5,558,856	09/24/96	Klaveness et al.	424	9.37
ll	400	5,569,449	10/29/96	Klaveness et al.	424	9.51
ll	401	5,614,169	03/25/97	Klaveness et al.	424	9.52
FOREIGN PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Country	Translation YES	NO
ll	402	0 901 793 A1	03/17/99	EPO	x	
ll	403	WO 99/13919	03/25/99	PCT	x	
ll	404	WO 01/15742 A1	03/08/01	PCT	x	
EXAMINER MICHAEL G. HARTLEY PRIMARY EXAMINER			DATE CONSIDERED		8/03	

<p style="text-align: center;">Form PTO-1449 Modified</p> <p style="text-align: center;">List of Patent and Publications Cited by Applicant (Use several sheets if necessary)</p> <p style="text-align: center;">U.S. Department of Commerce Patent and Trademark Office</p>				Docket No. BMS-0698/PH-7103	Serial No. 09/931,317	
				Applicant Alan P. Carpenter, Jr., et al.		
				Filing Date August 16, 2001	Group 1616	
U. S. PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Name	Class	Subclass
Ch	405	5,676,928	10/14/97	Klaveness et al.	424	9.32
U	406	5,686,060	11/11/97	Schneider et al.	424	9.52
D	407	5,707,606	01/13/98	Quay	424	9.52
Ch	408	5,707,607	01/13/98	Quay	424	9.52
D	409	4,984,573	01/15/91	Leunbach	128	653
SL	410	4,834,964	05/30/89	Rosen	424	9
JP	411	5,593,680	01/14/97	Bara et al.	424	401
IN	412	5,686,102	11/11/97	Gross et al.	424	450
Ja	413	5,362,477	11/08/94	Moore et al.	424	9
~	414	5,485,839	01/23/96	Aida et al.	128	653.1
Al	415	5,539,814	07/23/96	Shoji	379	215
FOREIGN PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Country	Translation YES	NO
Ch	416	WO 92/05806	04/16/92	PCT	x	
D	417	0 633 030 A1	01/11/95	EPO	x	
IN	418	0 327 490	08/09/89	EPO		x
JP	419	WO 91/18612	12/12/91	PCT	x	
IN	420	WO 95/32006	11/30/95	PCT	x	
EXAMINER MICHAEL G. HARTLEY PRIMARY EXAMINER				DATE CONSIDERED 8/07		

Form PTO-1449 Modified

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce
Patent and Trademark Office

Docket No.
BMS-0698/PH-7103

Serial No.
09/931,317

Applicant
Alan P. Carpenter, Jr., et al.

Filing Date
August 16, 2001

Group
1616

RECEIVED
JUN 07 2003
TECH CENTER 1600
PTO-1449

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
u	421	5,545,396	08/13/96	Albert et al.	424	93
h	422	5,716,597	02/10/98	Lohrmann et al.	424	9.5
u	423	5,732,707	03/31/98	Widder et al.	128	661.08
u	424	3,291,843	12/13/66	Fritz et al.	260	614
u	425	3,557,294	01/19/71	Dear et al.	424	342
m	426	4,427,649	01/24/84	Dingle et al.	424	38
u	427	4,663,161	05/05/87	Mannino et al.	424	89
u	428	4,918,065	04/17/90	Stindl et al.	514	179
u	429	5,008,109	04/16/91	Tin	424	422
m	430	5,107,842	04/28/92	Levene et al.	128	662.02
u	431	5,196,348	03/23/93	Schweighardt et al.	436	173
u	432	5,339,814	08/23/94	Lasker	128	653.4

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO
u	433	WO 98/04292	02/05/98	PCT	x	
u	434	WO 98/18501	05/07/98	PCT	x	
u	435	WO 00/45856	08/10/00	PCT	x	

EXAMINER

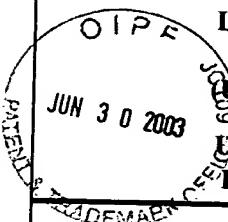
MICHAEL G. HARTLEY
PRIMARY EXAMINER

DATE CONSIDERED 8/03

Form PTO-1449 Modified			Docket No. BMS-0698/PH-7103	Serial No. 09/931,317		
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)			Applicant Alan P. Carpenter, Jr., et al.			
U.S. Department of Commerce Patent and Trademark Office			Filing Date August 16, 2001	Group 1616		
U. S. PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>M</i>	436	5,552,155	09/03/96	Bailey et al.	424	450
<i>M</i>	437	5,679,459	10/21/97	Riess et al.	428	402.2
<i>D</i>	438	5,711,933	01/27/98	Bichon et al.	424	9.52
<i>D</i>	439	5,733,527	03/31/98	Schutt	424	9.52
<i>D</i>	440	4,693,999	09/15/87	Axelsson et al.	514	174
<i>D</i>	441	5,740,807	04/21/98	Porter	128	662.02
<i>D</i>	442	5,569,448	10/29/96	Wong et al.	424	9.45
<i>D</i>	443	5,804,162	09/08/98	Kabalnov et al.	424	9.51
<i>D</i>	444	4,919,895	04/24/90	Heldebrant et al.	422	129
<i>D</i>	445	5,840,023	11/24/98	Oraevsky et al.	600	407
FOREIGN PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Country	Translation YES	NO
EXAMINER		MICHAEL G. HARTLEY PRIMARY EXAMINER		DATE CONSIDERED <i>8/03</i>		

Form PTO-1449 Modified			Docket No. BMS-0698/PH-7103	Serial No. 09/931,317		
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)			Applicant Alan P. Carpenter, Jr., et al.			
U.S. Department of Commerce Patent and Trademark Office			Filing Date August 16, 2001	Group 1616		
U. S. PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>OP</i>	446	5,612,057	03/18/97	Lanza et al.	424	450
<i>an</i>	447	5,858,399	01/12/99	Lanza et al.	424	450
<i>W</i>	448	4,530,360	07/23/85	Duarte	128	419 F
<i>W</i>	449	5,556,372	09/17/96	Talish et al.	601	2
<i>W</i>	450	5,571,797	11/05/96	Ohno et al.	514	44
<i>W</i>	451	5,612,318	03/18/97	Weichselbaum et al.	514	44
<i>M</i>	452	5,190,766	03/02/93	Ishihara	424	489
<i>M</i>	453	5,508,021	04/16/96	Grinstaff et al.	424	9.322
<i>an</i>	454	5,562,608	10/08/96	Sekins et al.	604	20
<i>M</i>	455	5,565,215	10/15/96	Gref et al.	424	501
<i>W</i>	456	5,648,095	07/15/97	Illum et al.	424	489
FOREIGN PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Country	Translation YES	NO
EXAMINER		MICHAEL G. HARTLEY PRIMARY EXAMINER		DATE CONSIDERED <i>8/03</i>		

Form PTO-1449 Modified

Docket No.
BMS-0698/PH-7103Serial No.
09/931,317Applicant
Alan P. Carpenter, Jr., et al.Filing Date
August 16, 2001Group
1616List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)U.S. Department of Commerce
Patent and Trademark Office

RECEIVED
TECH CENTER 1600/2000
JUL 01 2003
U.S. PATENT AND TRADEMARK OFFICE

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
W	457	5,707,352	01/13/98	Sekins et al.	604	56
W	458	5,736,121	04/07/98	Unger	424	9.4
W	459	5,874,062	02/23/99	Unger	424	9.4
W	460	5,460,800	10/24/95	Walters	429	9.6
W	461	5,701,899	12/30/97	Porter	428	662.02
W	462	5,897,851	04/27/99	Quay et al.	424	9.52
W	463	5,976,501	11/02/99	Jablonski	424	9.52
M	464	4,972,002	11/20/90	Volkert	521	120
W	465	5,695,460	12/09/97	Siegel et al.	604	21
W	466	4,485,193	11/27/84	Rubens et al.	521	58
W	467	5,639,473	06/17/97	Grinstaff et al.	424	450

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO

EXAMINER

MICHAEL G. HARTLEY
PRIMARY EXAMINER

DATE CONSIDERED 8/03

Form PTO-1449 Modified		Docket No. BMS-0698/PH-7103	Serial No. 09/931,317
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Alan P. Carpenter, Jr., et al.	
U.S. Department of Commerce Patent and Trademark Office		Filing Date August 16, 2001	Group 1616

RECEIVED
JUL 01 2003
TECH CENTER 1600
2003

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
ll	468	5,648,098	07/15/97	Porter	424	490
ll	469	5,770,222	06/23/98	Unger et al.	424	450
ll	470	5,830,430	11/03/98	Unger et al.	424	1.21
ll	471	5,997,898	12/07/99	Unger	424	450
ll	472	6,056,938	05/02/00	Unger et al.	424	1.21
NP	473	5,512,268	04/30/96	Grinstaff et al.	424	9.322
WY	474	5,567,415	10/22/96	Porter	424	9.52
WY	475	5,846,517	12/08/98	Unger	424	9.52
WY	476	5,849,727	12/15/98	Porter et al.	514	156
AC	477	4,621,023	11/04/86	Redziniak et al.	428	402.2
W	478	5,194,188	03/16/93	Gutierrez	264	4.1

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO

EXAMINER

MICHAEL G. HARTLEY
PRIMARY EXAMINER

DATE CONSIDERED

8/03

Form PTO-1449 Modified

Docket No.
BMS-0698/PH-7103Serial No.
09/931,317

O I P E
JUN 30 2003
P A T E N T
T R A D E M A R K C E N T E R
S C 109

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

Applicant
Alan P. Carpenter, Jr., et al.U.S. Department of Commerce
Patent and Trademark OfficeFiling Date
August 16, 2001Group
1616

TECH CENTER 1600/2000
JUL 01 2003
RECEIVED

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
W	479	5,283,255	02/01/94	Levy et al.	514	410
G	480	5,380,411	01/10/95	Schlieff	204	157.15
U	481	6,068,857	05/30/00	Weitschies et al.	424	489
G	482	6,159,445	12/12/00	Klaveness et al.	424	9.6
J	483	6,261,537	07/17/01	Klaveness et al.	424	9.52
O	484	6,331,289	12/18/01	Klaveness et al.	424	9.52
A	485	4,303,736	12/01/81	Torobin	428	403
O	486	4,582,756	04/15/86	Niinuma et al.	428	327
W	487	4,866,096	09/12/89	Schweighardt	514	756
A	488	4,895,876	01/23/90	Schweighardt et al.	514	747
RL	489	5,077,036	12/31/91	Long, Jr.	424	5

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO

EXAMINER

MICHAEL G. HARTLEY
PRIMARY EXAMINER

DATE CONSIDERED

8/03

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary)			Docket No. BMS-0698/PH-7103		Serial No. 09/931,317	
			Applicant Alan P. Carpenter, Jr., et al.			
U.S. Department of Commerce Patent and Trademark Office			Filing Date August 16, 2001		Group 1616	
U. S. PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Name	Class	Subclass
RL	490	5,080,885	01/14/92	Long, Jr.	424	5
RL	491	5,393,513	02/28/95	Long, Jr.	424	5
Q	492	5,403,575	04/04/95	Kaufman et al.	424	1.89
W	493	5,496,536	03/05/96	Wolf	424	9.322
CL	494	5,571,498	11/05/96	Cacheris et al.	424	9.365
AL	495	5,958,371	09/28/99	Lanza et al.	424	1.21
AN	496	5,989,520	11/23/99	Lanza et al.	424	9.32
AN	497	6,258,378 (w/ file history)	07/10/01	Schneider et al.	424	450
CL	498	4,767,610	08/30/88	Long	424	5
CL	499	5,514,720	05/07/96	Clark, Jr., et al.	514	749
CL	500	5,536,753	07/16/96	Clark, Jr.	514	749
FOREIGN PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Country	Translation YES NO	
EXAMINER MICHAEL G. HARTLEY, PRIMARY EXAMINER			DATE CONSIDERED		8/03	

